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REPLACEMENT SHEET  
Applicant: MARIO LINKE  
Serial No.: 10/787,492  
Title: ACTIVE INTEGRATED RECTIFIER...ETC.  
Docket: IR-2455 (2-3840)  
Sheet 1 of 15

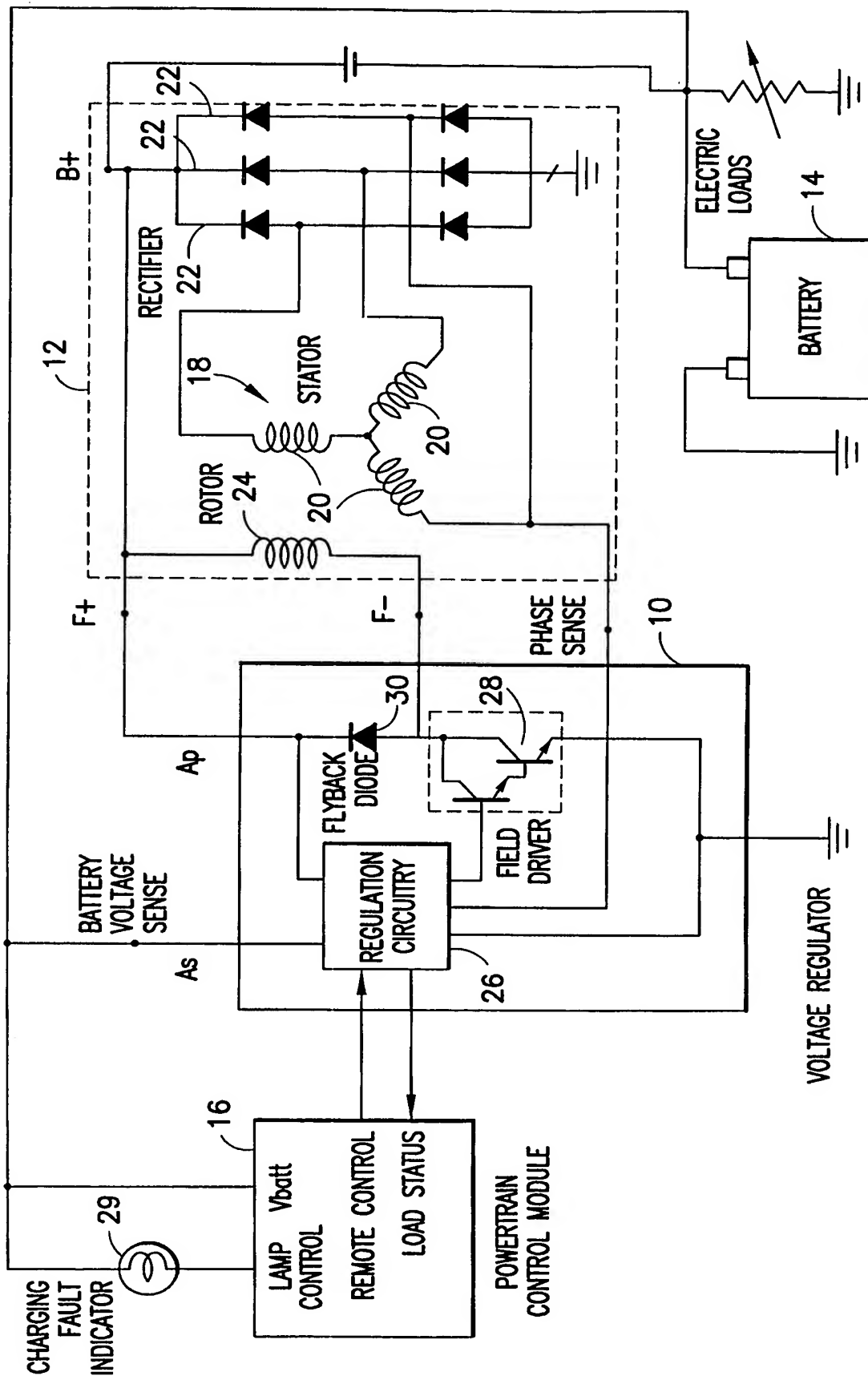


FIG.1  
PRIOR ART

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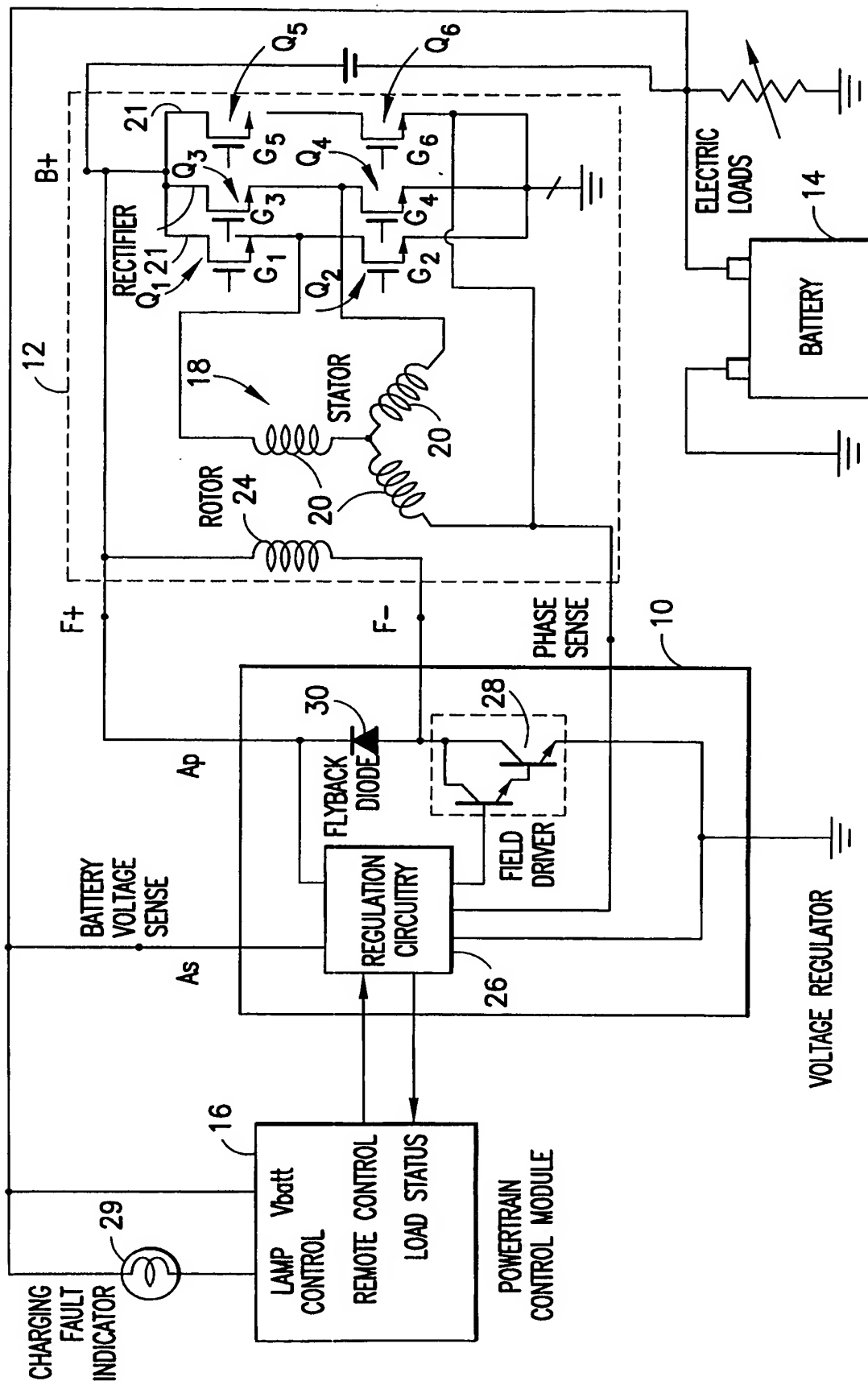


FIG.2

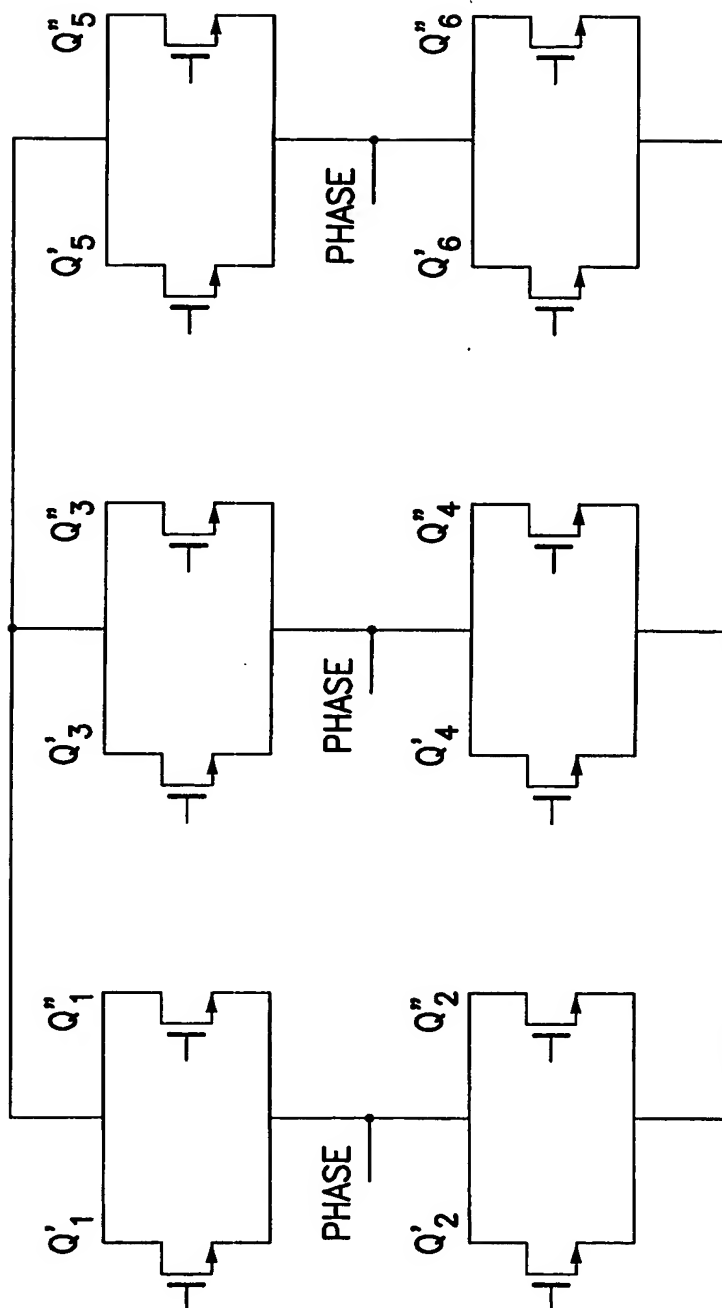


FIG. 3

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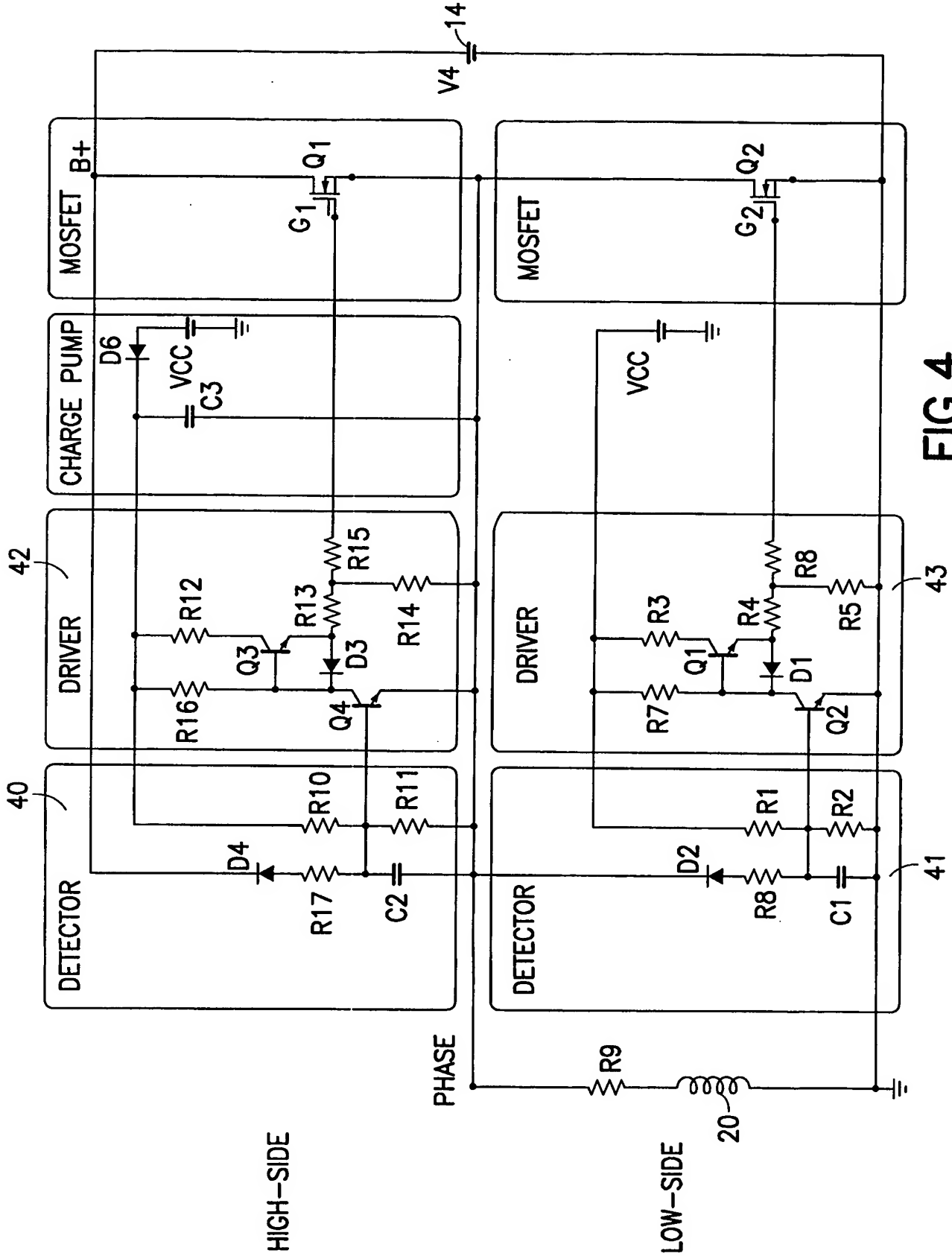


FIG. 4

# GATE VOLTAGE, PHASE VOLTAGE, LOW CURRENT

CIRCUIT2.CIR Temperature=27

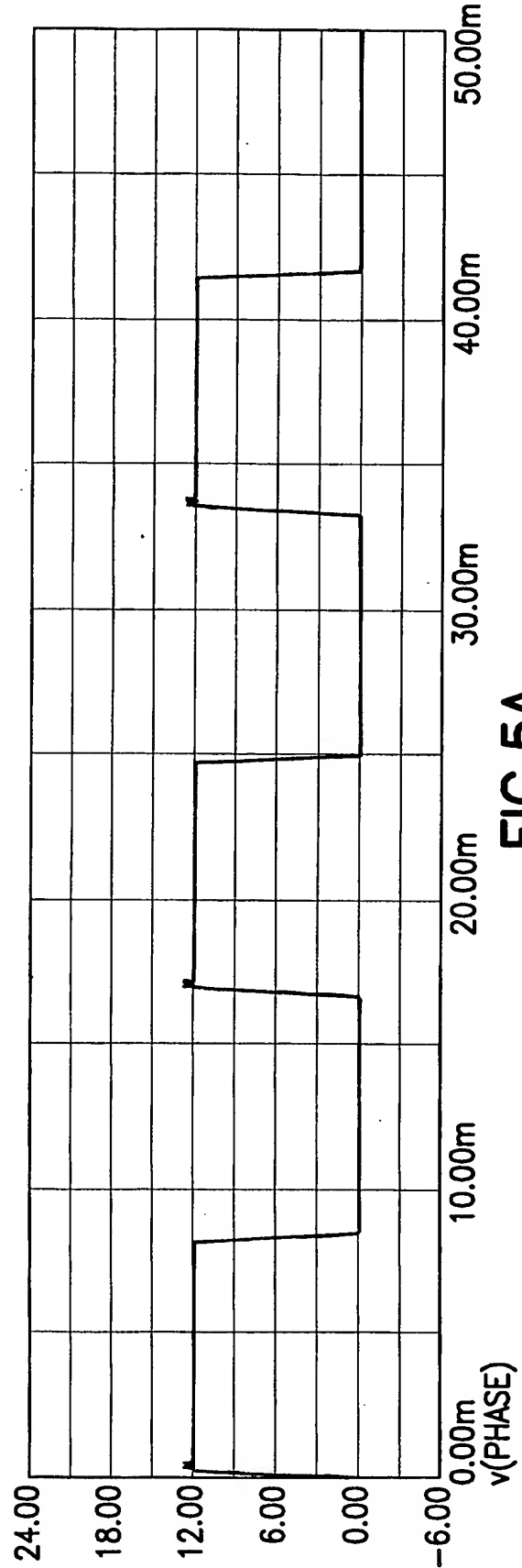
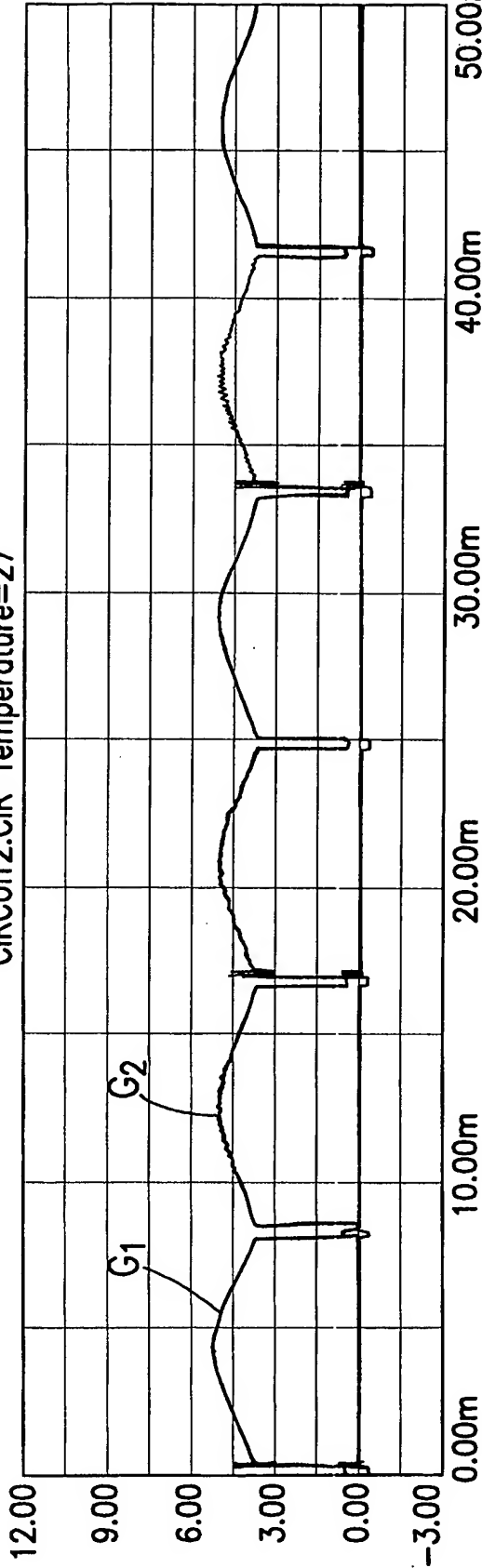


FIG.5A

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GATE VOLTAGE, PHASE VOLTAGE, MEDIUM CURRENT

CIRCUIT2.CIR Temperature=27

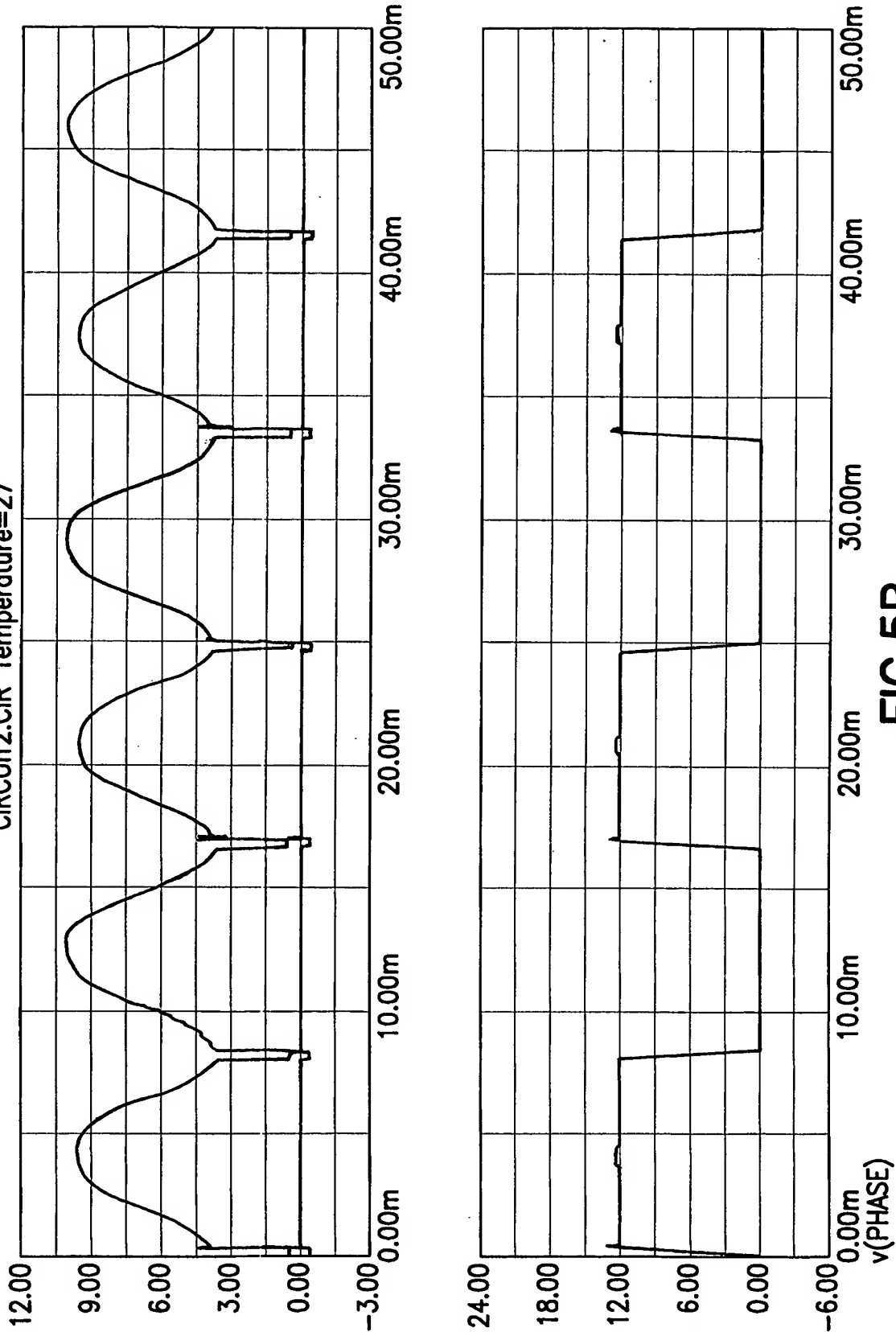
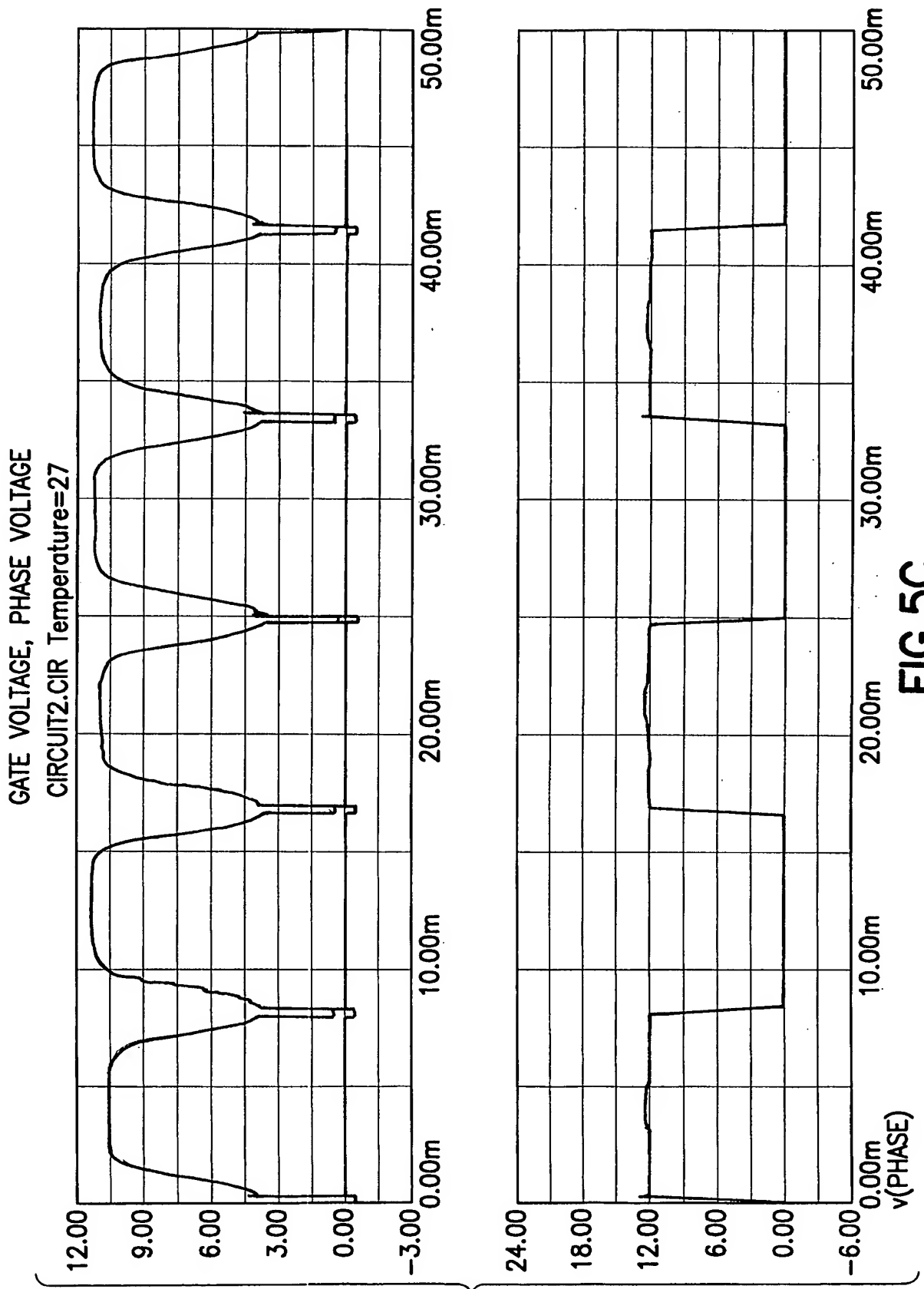


FIG.5B

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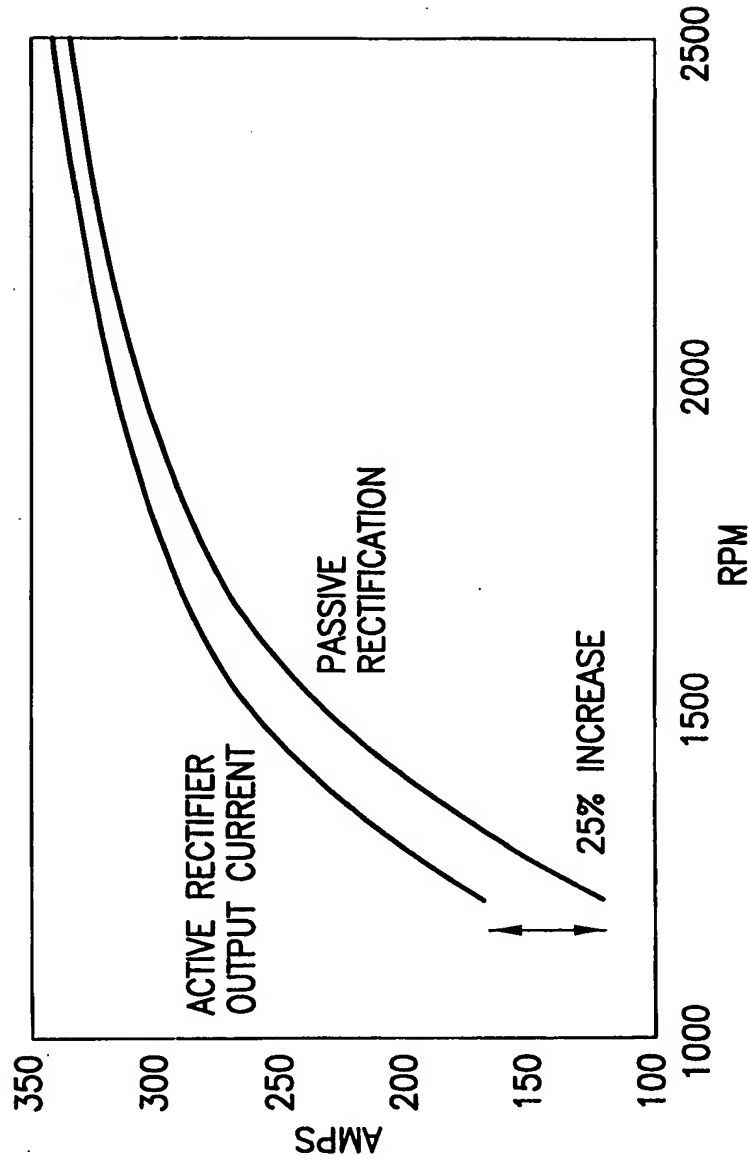


FIG. 6



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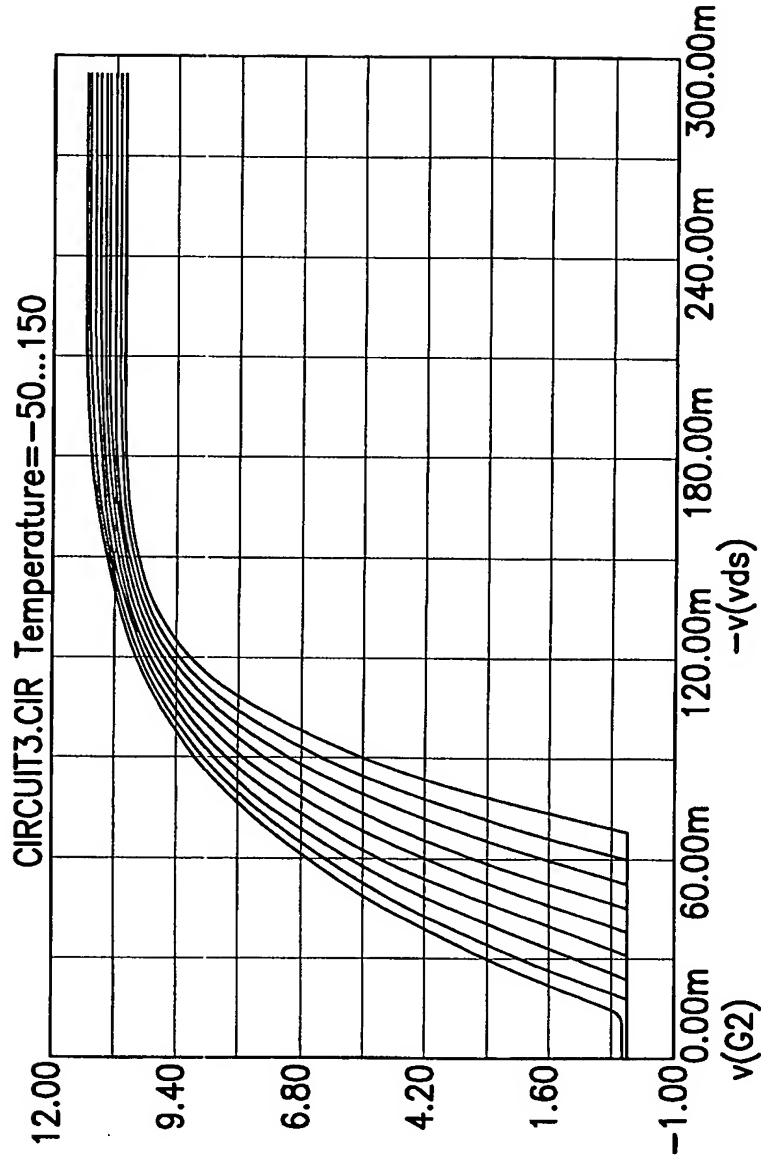


FIG.7

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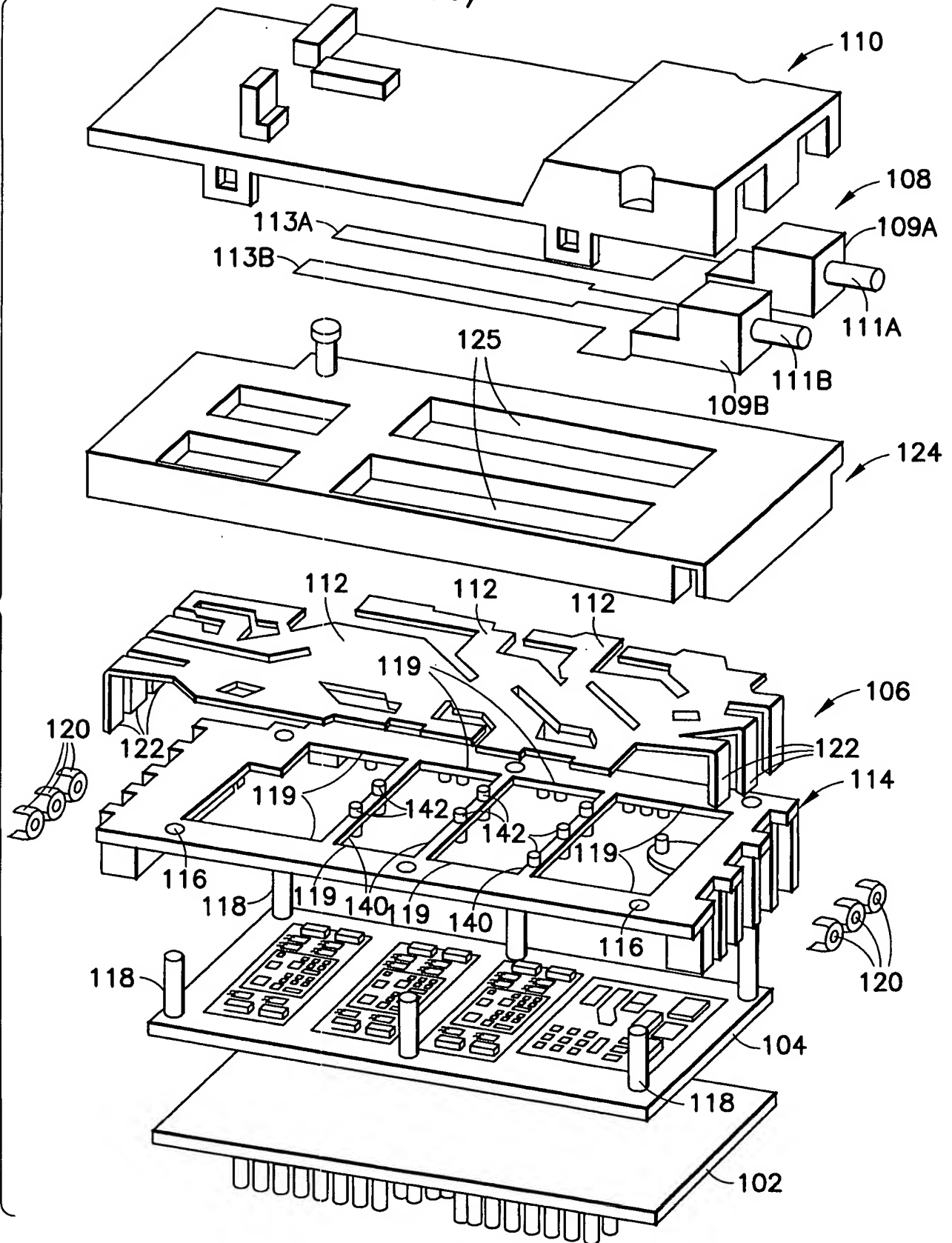


FIG.8

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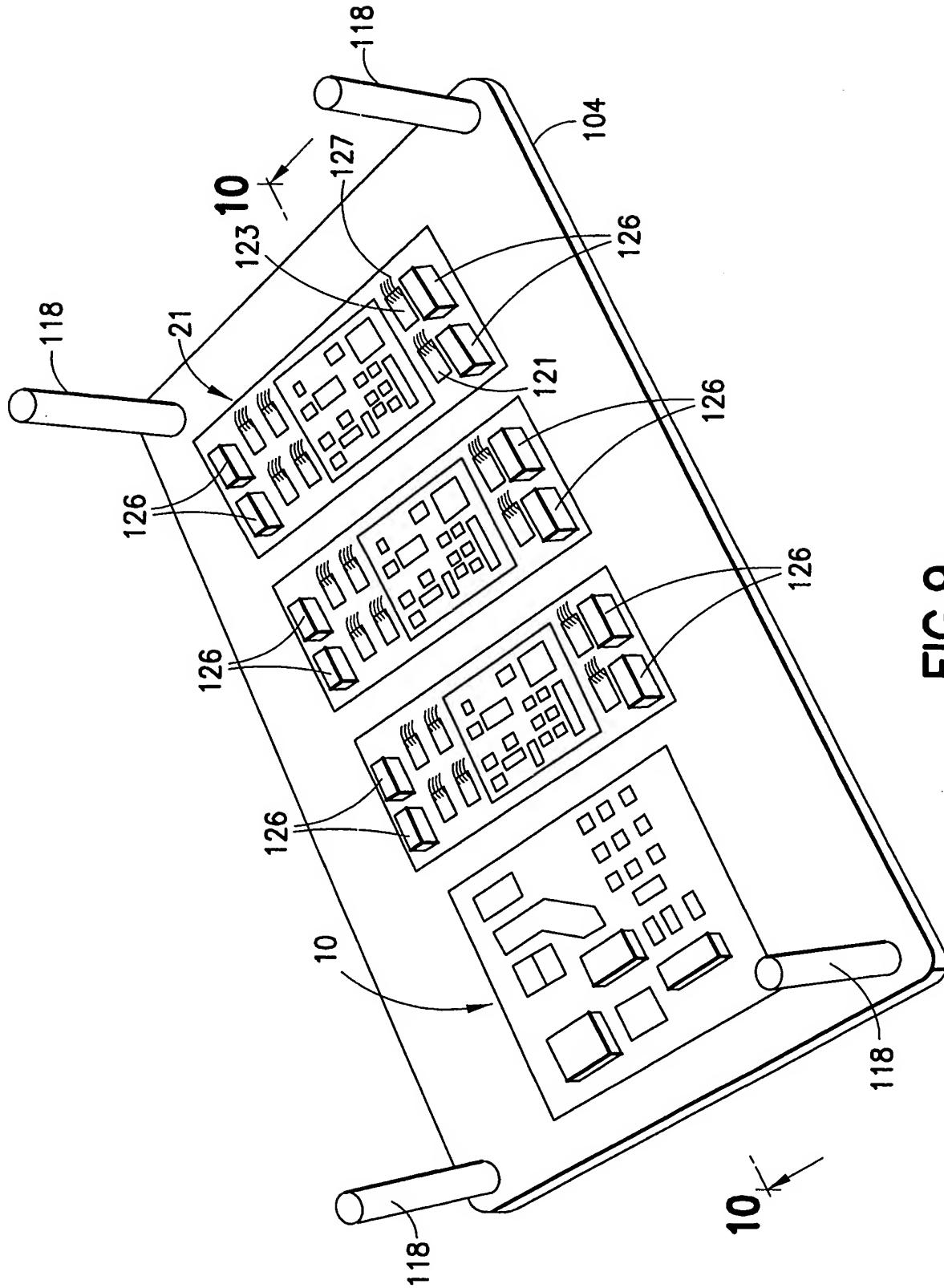


FIG. 9

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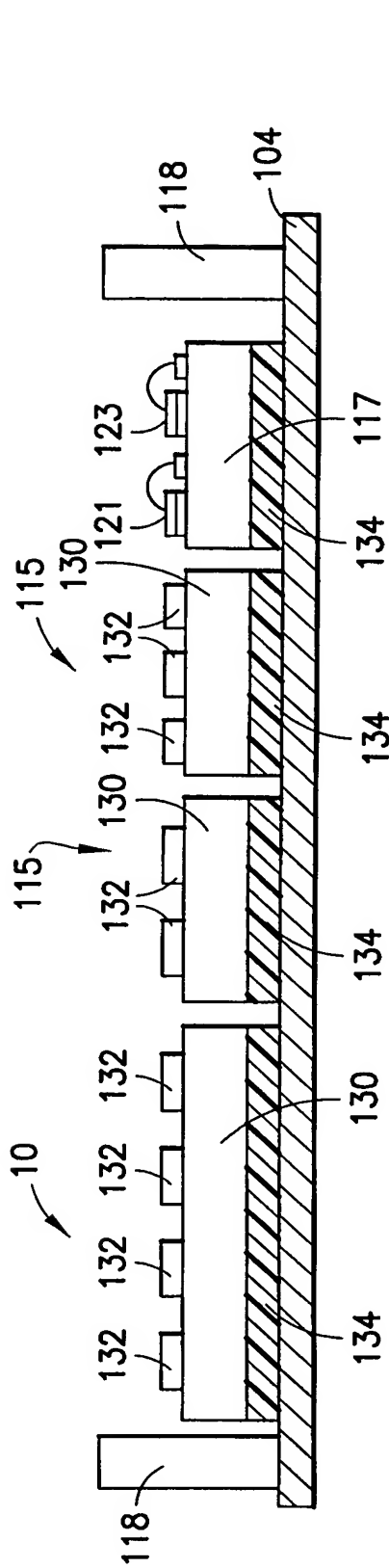


FIG. 10

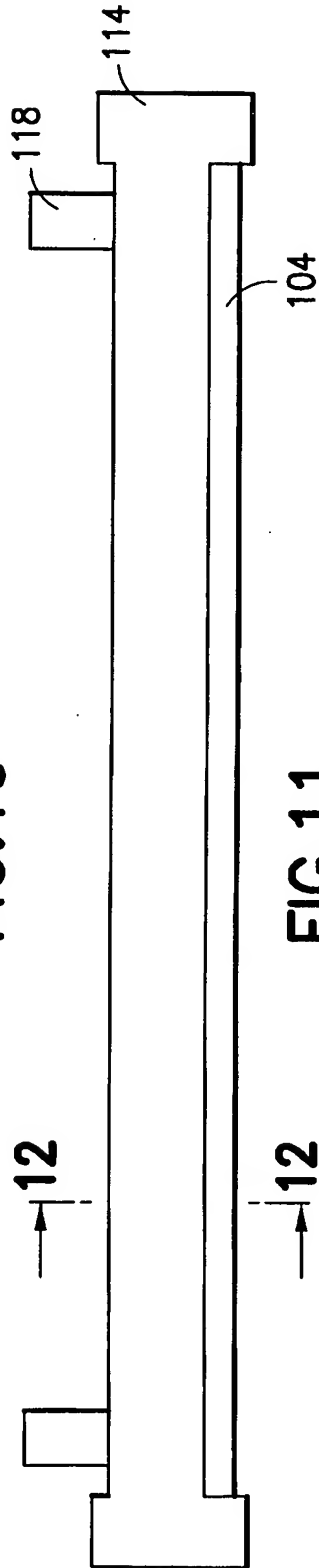


FIG. 11

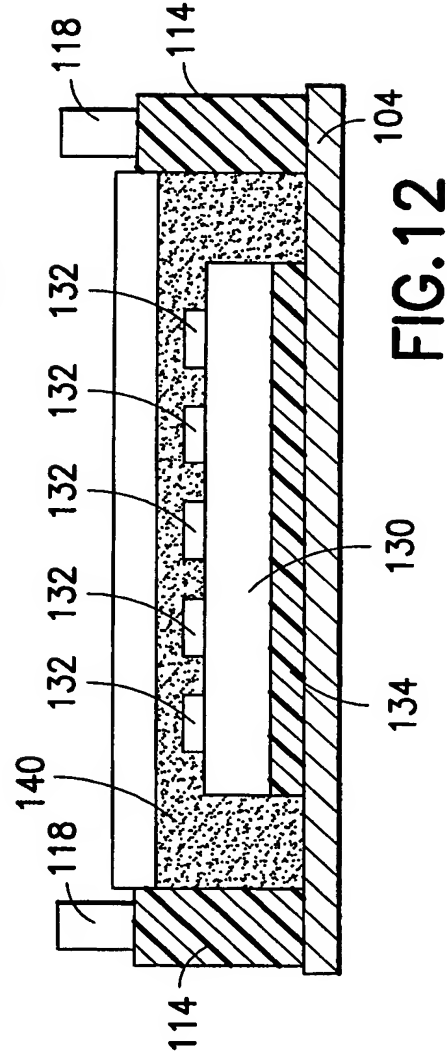


FIG. 12

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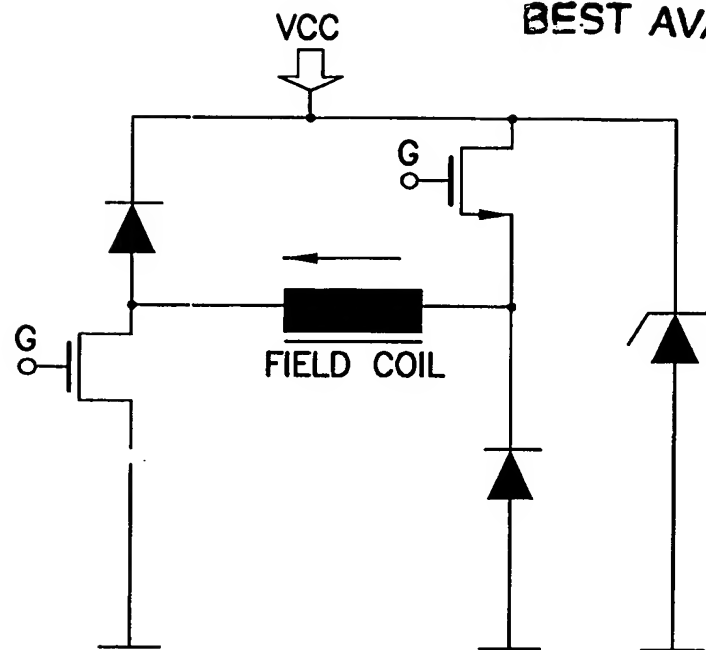


FIG.13A

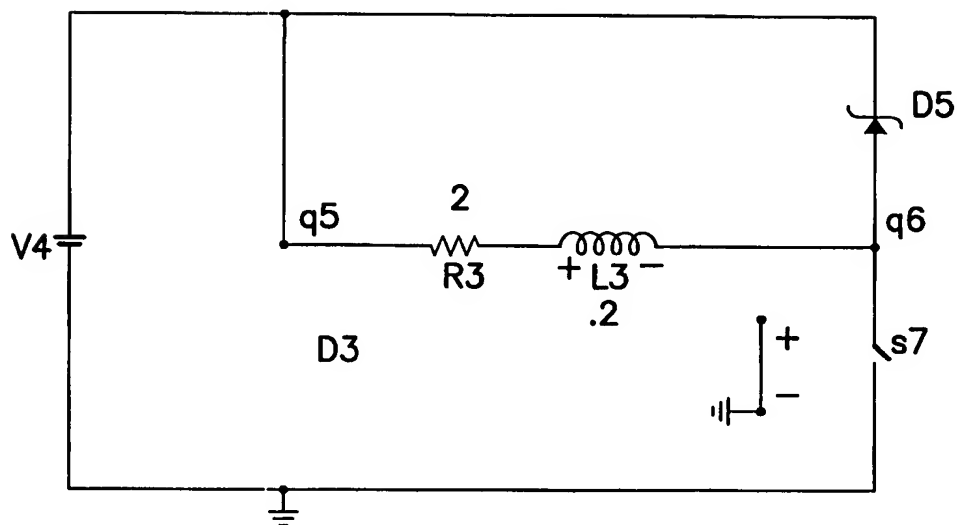


FIG.13B

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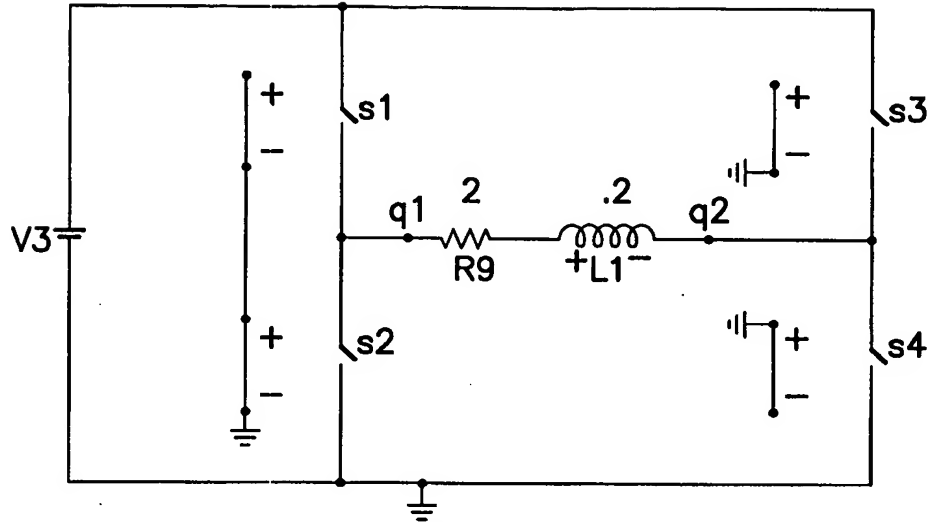


FIG. 13C

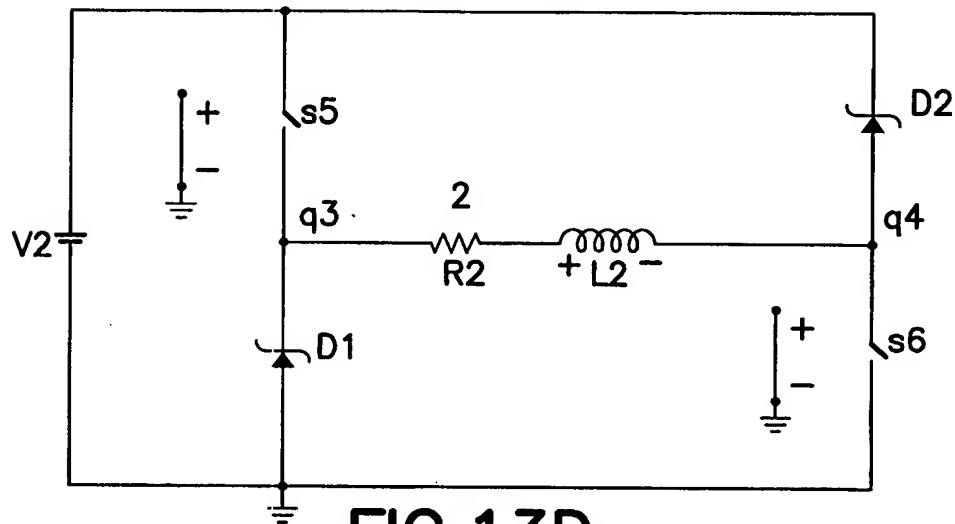


FIG. 13D

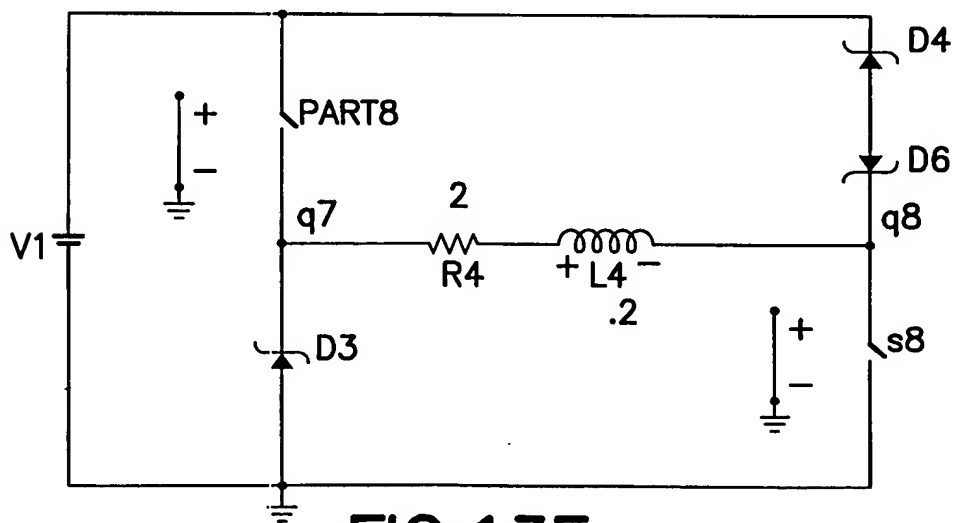


FIG. 13E

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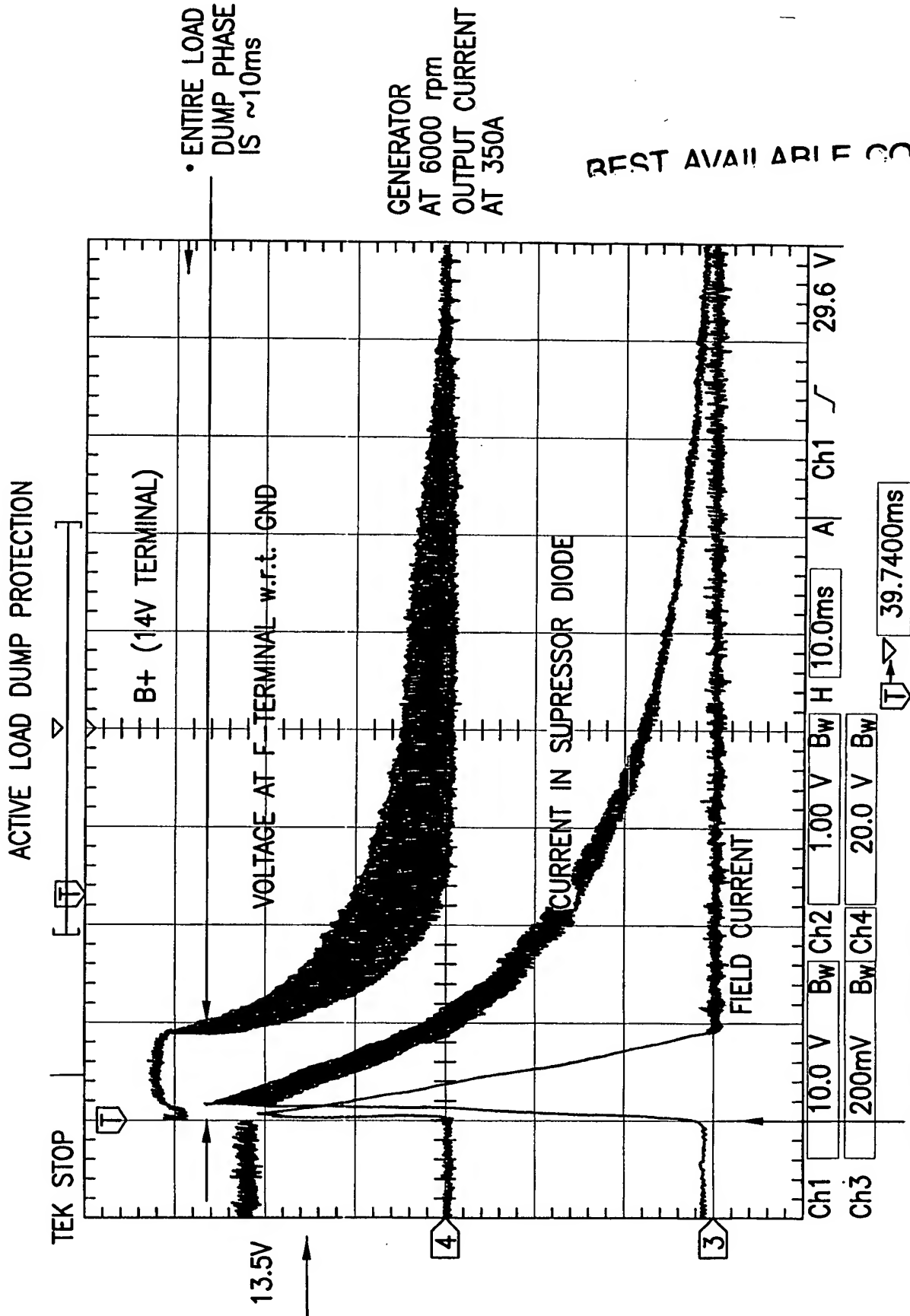


FIG.14